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[Order This Patent](#)[Family Member\(s\)](#)JP63148982A ☐ 19880621 FullText**Title:** (ENG) CULTIVATION OF INSECT CELL USING AUTOCLAVE-STERILIZED SERUM- FREE CULTURE MEDIUM**Abstract:** (ENG)

**PURPOSE:** To readily and efficiently cultivate insect cells, particularly cells derived from cabbage armyworm at a low cost, by using a culture medium prepared by converting a culture medium substantially containing no blood serum into a germ-free state by a wet-heat sterilizing method.

**CONSTITUTION:** A culture medium containing residual components after removing blood serum from a Mitsuhashi. Maramorosch culture medium, i.e. culture medium containing 6.0W8.0g/l sodium chloride, 0.1W0.3g/l potassium chloride, 0.1W0.4g/l disodium phosphate, 0.1W0.4g/l sodium hydrogencarbonate, 0.05W0.2g/l magnesium chloride hexahydrate, 0.1W0.3g/l calcium chloride dihydrate and 2.0W8.0g/l D-glucose, 3.0W15.0g/l albumin hydrolyzate and 1.0W8.0g/l yeast flour is prepared and adjusted to a pH range of 5.6W7.0. The adjusted culture medium is then sterilized at 110W130°C in a steam atmosphere under 1.0W1.2atm for 15W30min in an autoclave. Insect cells, e.g. cells derived from cabbage armyworm, etc., can be propagated in the above- mentioned culture medium.

**Application Number:** JP 29494186 A**Application (Filing) Date:** 19861212**Priority Data:** JP 29494186 19861212 A X;**Inventor(s):** KOIKE MASARU ; SATO KENJI**Assignee/Applicant/Grantee:** RES ASS BIOTECH AGRICULT CHEM**Original IPC (1-7):** C12N00500**Other Abstracts for Family Members:** DERABS C88-210702**Other Abstracts for This Document:** DERC88-210702**Legal Status:** There is no Legal Status information available for this patent

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